




CV Template of KATRD International Conference 2021

Name	Lynn M Schnapp			
First Name	Lynn M	Last Name	Schnapp	
Country	USA			
Organization	University of Wisconsin School of Medicine and Public Health			
Current Position	Chair of Medicine, Professor, ATS President			

Educational Background

1978-1982	Massachusetts Institute of Technology, S.B.
1982-1986	University of Pennsylvania School of Medicine, M.D.
1986-1989	Resident, Internal Medicine, Hospital of the University of Pennsylvania
1989-1992	Pulmonary and Critical Care Fellow, University of California, San Francisco (UCSF)
1991-1993	Postdoctoral Research Fellow, Cardiovascular Research Institute, UCSF

Professional Experiences

1993-1995	Assistant Adj Professor, Pulmonary and Critical Care Medicine, UCSF
1996-2000	Assistant Professor, Pulmonary and Critical Care Medicine, Mount Sinai School of Medicine (MSSM), New York
1997-2000	Member, Graduate School of Biological Sciences, MSSM
1997-2000	Faculty, Program in Molecular, Cellular, Biochemical and Developmental Sciences, and Program in Mechanisms of Disease Therapy, MSSM
1998-2000	Assistant Professor, Dept. of Cell Biology and Anatomy, MSSM
2000-2009	Associate Professor, Pulmonary and Critical Care Medicine, University of Washington (UW), Seattle, WA
2006-2013	Member, Molecular and Cellular Biology Graduate Program, UW
2009-2013	Professor, Pulmonary and Critical Care Medicine, UW
2009-2013	Adjunct Professor, Department of Biobehavioral Nursing and Health Systems. College of Nursing, University of Washington
2009-2013	Member, Graduate Faculty, University of Washington
2013-2020	Professor of Medicine with Tenure, Pulmonary, Critical Care, Allergy and Sleep Medicine, Medical University of South Carolina (MUSC), Charleston, SC
2013-2020	Division Chief, Pulmonary, Critical Care, Allergy and Sleep Medicine, MUSC
2014-2020	Member, Graduate Faculty, College of Graduate Studies, MUSC
2020-present	Chair, Dept of Medicine, Professor, School of Medicine and Public Health (SMPH), University of Wisconsin-Madison



Professional Organizations

	American Thoracic Society
1996-2000	Membership Committee
1998-2000	Chair, Membership Committee
1997	Search Committee for Executive Director of ATS
1997	Task Force on Minorities
1999-2000	Chair, Ad hoc Committee on Career Placement Services
1999-2001,	Program Committee, Respiratory Cell and Molecular Biology
2006-2012	(RCMB) Assembly
2000-2002	Long Range Planning Committee, RCMB Assembly
2000-2001	Program and Budget Committee
2001-2004	Chair, ATS Women's Mentoring Program Subcommittee
2002-2003	Search Committee for Editor, American Journal of Respiratory Cell and Molecular Biology
2002-2004	Nominating Committee, RCMB Assembly
2002-2007	Publications Policy Committee
2005-2007	ATS Nominating Committee
2006-2007	Chair-elect, Program Committee, RCMB Assembly
2006-2008	International Conference Committee
2007-2008	Chair, Program Committee, RCMB Assembly (Elected)
2007-2009	Career Development Grant Review Committee
2007-2010	Information Systems Committee
2008	Search Committee for Editor, American Journal of Respiratory Cell and Molecular Biology
2008-2014	Executive Committee, RCMB Assembly
2008-2010	Audit and Finance Committee
2009	Search Committee for Editor, American Journal of Respiratory and Critical Care Medicine
2009	Chair-Elect, RCMB Assembly
2010-2012	Chair, RCMB Assembly (Elected)
2010-2012	ATS Board of Directors
2012-2013	Chair, Nominating Committee, RCMB
2012-2016	ATS Awards Committee
2014-2015	Scientific Advisory Committee
2015-present	Member, Association of Pulmonary, Critical Care, and Sleep Division Directors
2017- 2019	Founder and President, South Carolina Thoracic Society Chapter
2018-2019	ATS Secretary-Treasurer (Elected)
2018-present	ATS Executive Committee
2018-present	ATS Board of Directors
2018-present	ATS Finance Committee (Chair, 2019-2020)
2019-2020	ATS Task Force on International Activities
2019-2020	ATS Vice President
2020-2021	ATS President-Elect
2021-2022	ATS President



Main Scientific Publications

a. Peer Reviewed Publications (selected from >85)

1. **Schnapp LM**, Cohen NH. Pulse Oximetry: Uses and Abuses. *Chest* 98:1244-1250, 1990
2. **Schnapp LM**, Chin PC, Szaflarski N, Matthay MA. Incidence and importance of barotrauma in 100 patients with acute lung injury. *Critical Care Medicine* 23:272-278, 1995.
3. **Schnapp LM**, Breuss J, Ramos D, Sheppard D, Pytela R. Sequence and tissue distribution
4. **Schnapp LM**, Hatch N, Ramos D, Kliminskaya I, Sheppard D, Pytela R. The human integrin $\alpha 8 \beta 1$ functions as a receptor for tenascin, fibronectin and vitronectin. *J Biol Chem* 270:23196-23202, 1995.
5. **Schnapp LM**, Goswami S, Renzi N, Koteliensky VE, Gotwals P, Schacter EN. Integrins inhibit angiotensin II-induced contraction in rat aortic rings. *Regul Pept* 77:177-183, 1998.
6. Tellier MC, Greco G, Klotman M, Mosoian A, Arap W, Ruoslahti E, Pasqualini R, **Schnapp LM**. Multimeric form of fibronectin, superfibronectin, increases HIV infection of primary CD4+ T-lymphocytes. *J Immunol.* 164(6):3236-45 2000.
7. Levine DM, Rockey D, Milner TA, Breuss JM, Fallon JT, **Schnapp LM**. Expression of the integrin $\alpha 8 \beta 1$ during pulmonary and hepatic fibrosis. *Am J Pathol.* 156:1927-35, 2000.
8. Schechter AD, Spirn B, Rossikhina M, Giesen PLA, Bogdanov V, Fallon JT, Fisher EA, **Schnapp LM**, Nemerson Y, Taubman MB. Release of active tissue factor by human arterial smooth muscle cells. *Circ Res* 87(2):126-132, 2000.
9. Weintraub AS, **Schnapp LM**, Lin X, Taubman MB. Osteopontin protects rat vascular smooth muscle cells (VSMC) from collagen-induced apoptosis. *Lab Invest.* 80(11):1603-15, 2000.
10. Greco G, Pal S, Pasqualini R, **Schnapp LM**. Matrix fibronectin increases HIV stability and infectivity. *J Immunol.* 168:5722-5729, 2002.
11. Lu M, Munger J, Steadale M, Busald C, Tellier M, **Schnapp LM**. Integrin $\alpha 8 \beta 1$ mediates adhesion to LAP-TGF β 1. *J Cell Sci.* 115:4641-4648, 2002.
12. Wagner TE, Frevert CW, Herzog EL, **Schnapp LM**. Expression of the integrin subunit $\alpha 8$ in murine lung development. *J Histochem Cytochem.* 51(10):1307-15, 2003.
13. Pal S, **Schnapp LM**. HIV-infected lymphocytes regulate fibronectin synthesis by TGF β 1 secretion. *J Immunol.* 172(5):3189-95, 2004.
14. Ekwa-Ekoka C, Diaz GA, Carlson C, Hasegawa T, Lim K, Yabu JM, Levy B, **Schnapp LM**. Genomic organization and sequence variations of the human integrin subunit $\alpha 8$ gene (ITGA8). *Matrix Biol.* 23:487-496, 2004.
15. Farias E, Lu M, Li X, **Schnapp LM**. The integrin $\alpha 8 \beta 1$ -fibronectin mediates cell survival via PI3 kinase pathway. *Biochem Biophys Res Commun.* 329(1):305-11 2005.
16. **Schnapp LM** Donohue S, Chen JZ, Sunde DA, Kelly PM, Ruzinski J, Martin TR, Goodlett DR. Mining the ARDS proteome: identification of IGF/IGFBP-3 pathway in lung injury. *Am J Pathol.* 169:86-95 2006.
17. Wall R, **Schnapp LM**. Acute Radiation Pneumonitis. *Respir Care.* 51:1255-60 2006.
18. Li L, Schwartz B, Tsubota Y, Raines E, Kiyokawa H, Yonekawa K, Harlan JM, **Schnapp LM**. Cyclin-dependent kinase inhibitors block leukocyte adhesion and migration. *J Immunol.* 180(3):1808-17, 2008.
19. Chen JZ, Ryu S, Gharib S, Goodlett DR, **Schnapp LM**. Exploration of the Normal Human BALF Proteome. *Proteomics: Clinical Applications.* 2(4) 585-595, 2008.



20. Smith L, Wagner TE, Huizar H, **Schnapp LM**. Expression of the Collagen Receptor uPARAP During Murine Lung Development. *Gene Expression Patterns*, 8:486-93, 2008.
21. Choi, J, Lee SS, Sunde, D, Huizar H, Haugk K, Thannickal V, Vittal R, Plymate S, **Schnapp LM**. Blockade of Insulin-like Growth Factor 1 pathway in mouse model of lung injury and fibrosis improves outcome. *Am J Respir Crit Care Med*. 179(3):212-9, 2009.
22. Benoit YD, Lussier C Ducharme PA, Sivert S, **Schnapp LM**, Basora N, Beaulieu JF. The integrin $\alpha 8 \beta 1$ regulates adhesion, migration and proliferation of intestinal crypt cells via a RhoA/ROCK dependent mechanism. *Biol Cell*. 101(12):695-708, 2009.
23. Benjamin JT, Gaston DC, Halloran BA, **Schnapp LM**, Zent R, Prince LS The role of integrin $\alpha 8 \beta 1$ in fetal lung morphogenesis and injury. *Dev Biol*. 335(2):407-17. 2009.
24. Gharib SA, Nguyen E, Altemeier WA, Shaffer SA, Doneanu CE, Goodlett DR, **Schnapp LM**. Of Mice and Men: Comparative Proteomics of Bronchoalveolar Fluid. *Eur Respir J* 35:1388-95, 2010.
25. Chow YH, Zhu XD, Liu L, Schwartz BR, Huang XZ, Harlan JM, **Schnapp LM**. Role of Cdk4 in lymphocyte function and allergen response. *Cell Cycle* 9(24):4922-30, 2010. (*featured in News and Views*)
26. Bundesmann MM, Wagner TE, Chow YH, **Schnapp LM**. Role of Urokinase plasminogen activator receptor associated protein in mouse lung. *Am J Respir Cell Mol Biol*. 46:233-9, 2012.
27. Chow YH, Liu L, Schwartz B, Harlan JM, **Schnapp LM**. Adhesion pathways utilized by HIV-infected lymphocytes. *AIDS Res Hum Retroviruses*, 28(12):1557-60, 2012 .
28. Kim TH, Chow YH, Gill SE, **Schnapp LM**. Effect of IGF blockade on hyperoxia-induced lung injury. *Am J Respir Cell Mol Biol*, 47(3):372-8, 2012.
29. Palazzo SJ, Simpson TA, Simmons JM, **Schnapp LM**. 1.sTREM-1 as a Diagnostic Marker of Ventilator-Associated Pneumonia. *Respir Care*. 57(12):2052-8 2012.
30. Song EH, Manganiello MJ, Chow YH, Ghosn B, Convertine AJ, Stayton PS, **Schnapp LM***, Ratner DM* In vivo targeting of alveolar macrophages via RAFT-based glycopolymers. *Biomaterials*. 33:6889-97 2012. *Shared senior authorship.
31. Nguyen EV, Gharib SA, Palazzo S, Chow YH, Goodlett DR, **Schnapp LM**. Proteomic Profiling of Bronchoalveolar Lavage Fluid in Critically Ill Patients with Ventilator-Associated Pneumonia. *PLoS One*, 8(3):e58782, 2013.
32. Hacker BM, Subramanian L, **Schnapp LM**. Strategies for Mentor Matching: Lessons Learned. *Clin Transl Sci* 6: 414–416, 2013.
33. Hung C, Linn G, Chow YH, Kobayashi A, Mittelsteadt K, Altemeier WA, Gharib SA, **Schnapp LM***, Duffield JS*. Role of Lung Pericytes and Resident Fibroblasts in the Pathogenesis of Pulmonary Fibrosis. *Am J Respir Crit Care Med*. 188(7):820-30, 2013. *Shared senior authorship. (*Highlighted in an accompanying editorial*)
34. Hung CF, Rohani, MG, Lee SS, Chen P, **Schnapp LM**. Effect of IGF-1 on primary mouse lung fibroblast phenotype. *Resp Res* 14(1):102, 2013.
35. Nguyen EV, Gharib SA, Crothers K, Chow YH, Park DR, Goodlett DR, **Schnapp LM**. Proteomic Landscape of Bronchoalveolar Lavage Fluid in Human Immunodeficiency Virus Infection. *AJP Lung* 306(1): L35-42 2014. PMID: 24213920
36. Rohani MG, Chow YH, Razumova MV, Ash S, Hung CF, **Schnapp LM**. uPARAP Function in Cutaneous Wound Repair. *PLoS One* 9(3):e92660 2014.
37. Nguyen EV, Gharib SA, Schnapp LM, Goodlett DR. Shotgun MS proteomic analysis of bronchoalveolar lavage fluid in normal subjects. *Proteomics Clin Appl*. 8(9-10):737-47. 2014. PMC4239657



38. Gharib SA, Malur A, Huizar I, Barna BP, Kavuru MS, **Schnapp LM***, Thomassen MJ*. Sarcoidosis activates diverse transcriptional programs in bronchoalveolar lavage cells. *Respir Res.* 17(1):93. 2016 *Shared senior authorship.
39. Crothers K, Petrache I, Wongtrakool C, Lee PJ, **Schnapp LM***, Gharib SA*. Widespread activation of immunity and pro-inflammatory programs in peripheral blood leukocytes of HIV-infected patients with impaired lung gas exchange. *Physiological Reports.* 4(8) pii: e12756. 2016. PMC4848721. *Shared senior authorship.
40. Hung CF, Chow YH, Liles WC, Altemeier WA, **Schnapp LM.** Ablation of Pericyte-like Cells in Lungs by Oropharyngeal Aspiration of Diphtheria Toxin. *Am J Respir Cell Mol Biol.* 56(2):160-167 2017. PMC5359647. (*Featured in "Red Alerts" highlighted articles*)
41. Hung CF, Mittelsteadt KL, Brauer R, McKinney BL, Hallstrand TS, Parks WC, Chen P, **Schnapp LM**, Liles WC, Duffield JS, Altemeier WA. Lung pericyte-like cells are functional immune sentinel cells. *Am J Physiol Lung Cell Mol Physiol.* 312(4): L556-L567. 2017. PMC5407093. (*Chosen for "APSselect" highlight*)
42. Beiko T, Janech MG, Alekseyenko AV, Atkinson C, Coxson HO, Barth JL, Stephenson SE, Wilson CL, **Schnapp LM**, Barker A, Brantly M, Sandhaus RA, Silverman EK, Stoller JK, Trapnell B, Strange S, for QUANTUM-1 Investigators. Serum proteins associated with emphysema progression in severe alpha-1 antitrypsin deficiency. *Chronic Obstr Pulm Dis.* 4(3): 204-216. 2017
43. Mohan A, Malur A, McPeck M, Barna BP, **Schnapp LM***, Thomassen MJ*, Gharib SA*. Transcriptional Survey of Alveolar Macrophages in a Murine Model of Chronic Granulomatous Inflammation Reveals Common Themes with Human Sarcoidosis. *Am J Physiol Lung Cell Mol Physiol.* 314(4):L617-L625, 2017. PMC5966779 *Shared senior authorship.
44. Stephenson SE, Wilson CL, Crothers K, Attia EF, Wongtrakool C, Petrache I, **Schnapp LM.** Impact of HIV Infection on Alpha-1 Antitrypsin in the Lung. *Am J Physiol Lung Cell Mol Physiol.* 314(4):L583-L592. 2017. PMC5966776
45. Schutt SD, Wu Y, Tang CA, Bastian D, Nguyen H, Sofi MH, Zhang M, Liu C, Helke K, Wilson C, **Schnapp LM**, Del Valle JR, Hu CA, Yu XZ. Inhibition of the IRE-1alpha/XBP-1 pathway prevents chronic GVHD and preserves the GVL effect in mice. *Blood Advances.* 2(4):414-27. 2018 PMC5858472
46. Hung CF, Wilson CL, Chow YH, **Schnapp LM.** Role of integrin alpha8 in murine model of lung fibrosis. *PLoS One.* 13(5):e0197937. 2018. PMC5973593.
47. Li P, Zhou Y, Goodwin AJ, Cook JA, Halushka PV, Zhang XK, Wilson CL, **Schnapp LM**, Zingarelli B, Fan H. Fli-1 Governs Pericyte Dysfunction in a Murine Model of Sepsis. *J Infect Dis.* 218(12):1995-2005, 2018.
48. Wilson CL, Stephenson SE, Higuero JP, Feghali-Bostwick C, Hung CF, **Schnapp LM** Characterization of human PDGFR β -positive pericytes from IPF and non-IPF lungs. *Am J Physiol Lung Cell Mol Physiol.* 2018 Oct 18. doi: 10.1152/ajplung.00289.2018. PMID:30335500
49. Hung CF, Wilson CL, **Schnapp LM.** Pericytes in the Lung. *Adv Exp Med Biol.* 2019;1122:41-58. PubMed PMID: 30937862.
50. Stephenson SE, Wilson CL, Bond NG, Kaur A, Alvarez X, Midkiff CC, **Schnapp LM.** Pericytes as novel targets for HIV/SIV infection in the lung. *Am J Physiol Lung Cell Mol Physiol* 2020; 319: L848-1853.
51. Mohan A, Neequaye N, Malur A, Soliman E, McPeck M, Leffler N, Ogburn D, Tokarz DA, Knudson W, Gharib SA, **Schnapp LM**, Barna BP, Thomassen MJ. Matrix Metalloproteinase-12 Is Required for Granuloma Progression. *Front Immunol* 2020; 11: 553949.
52. Li P, Wu Y, Goodwin AJ, Halushka PV, Wilson CL, **Schnapp LM**, Fan H. Generation of a new immortalized human lung pericyte cell line: a promising tool for human lung pericyte studies. *Lab Invest* 2021 Jan 14. doi: 10.1038/s41374-020-00524-y. Online ahead of print.